



DECUS

PROGRAM LIBRARY

DECUS NO.	8-179
TITLE	EAE MODIFICATIONS FOR BINARY DISASSEMBLER WITH SYMBOLS
AUTHOR	Alec Smythe
COMPANY	Submitted by: Theodore Greene The Taft School Watertown, Connecticut
DATE	March 1, 1969
SOURCE LANGUAGE	PAL-D

ATTENTION

This is a USER program. Other than requiring that it conform to submittal and review standards, no quality control has been imposed upon this program by DECUS.

The DECUS Program Library is a clearing house only; it does not generate or test programs. No warranty, express or implied, is made by the contributor, Digital Equipment Computer Users Society or Digital Equipment Corporation as to the accuracy or functioning of the program or related material, and no responsibility is assumed by these parties in connection therewith.

EAE MODIFICATIONS FOR BINARY DISASSEMBLER
WITH SYMBOLS

DECUS Program Library Write-up

DECUS No. 8-179

The purpose of this patch is to allow the user to use the Disassembler with Symbols, (DECUS No. 5/8-18C), without EAE. The patch shortens the space for the cross-references table by approximately one page, and changes all EAE instructions to JMS's to routines which take their place. The patch also changes the octal type routine to make space for links on page zero.

A	2014
AB	2103
AC	2122
AQ	2040
COUNT	2123
LNK	2124
LS	0026
LSR	2031
MA	0030
MASK	2120
MQ	0024
MQA	2073
SQL	2000
MU	0027
MULT	2053
OCT	0023
OCTYP	2076
Q	2121
SH	0025
SHL	2003
TEM	2125
UP	2061
XREF	2126

/EAE MODIFICATIONS FOR BINARY DISASSEMBLER WITH SYMBOLS

*20

0020	0000		
0021	4423		JMS I OCT
0022	5420		JMP I 20

		/	
0023	2076	OCT,	OCTYP
0024	2000	MQ,	ML
0025	2003	SH,	SHL
0026	2031	LS,	LSR
0027	2053	MU,	MULT
0030	2073	MA,	MQA

/

*126

0126	4425		JMS I SH
------	------	--	----------

/

*515

0515	7710		SPA CLA
------	------	--	---------

/

*406

0406	4426		JMS I LS
------	------	--	----------

/

*121

0121	4424		JMS I MQ
------	------	--	----------

/

*141

0141	2125	XREF-1	
------	------	--------	--

/

*223

0223	4425		JMS I SH
------	------	--	----------

/

*555

0555	4424		JMS I MQ
------	------	--	----------

/

*565

0565	4425		JMS I SH
------	------	--	----------

/

*575

0575	2125	XREF-1	
------	------	--------	--

/

*615

0615	4427		JMS I MU
------	------	--	----------

/

*617

0617	4430		JMS I MA
------	------	--	----------

/

*1416

1416	4425		JMS I SH
------	------	--	----------

/

		*1445	
1445	4425		JMS I SH
		/	
		*1535	
1535	2125	XREF-1	
		/	
		*2000	
2000	0000	MQL, 0	
2001	3321	DCA Q	
2002	5600	JMP I MQL	
		/	
		/	
2003	0000	SHL, 0	
2004	3322	DCA AC	
2005	7100	CLL	
2006	1603	TAD I SHL	
2007	2203	IS Z SHL	
2010	7001	IAC	
2011	7041	CIA	
2012	3323	DCA COUNT	
2013	1322	TAD AC	
2014	3322	A, DCA AC	
2015	7100	CLL	
2016	1321	TAD Q	
2017	7004	RAL	
2020	3321	DCA Q	
2021	7004	RAL	
2022	3324	DCA LNK	
2023	1322	TAD AC	
2024	7004	RAL	
2025	1324	TAD LNK	
2026	2323	ISZ COUNT	
2027	5214	JMP A	
2030	5603	JMP I SHL	
		/	
2031	0000	LSR, 0	
2032	3322	DCA AC	
2033	1631	TAD I LSR	
2034	2231	IS Z LSR	
2035	7001	IAC	
2036	7041	CIA	
2037	3323	DCA COUNT	
2040	7100	AQ, CLL	
2041	1322	TAD AC	
2042	7010	RAR	

2043	3322	DCA AC
2044	1321	TAD Q
2045	7010	RAR
2046	3321	DCA Q
2047	2323	ISZ COUNT
2050	5240	JMP AQ
2051	1322	TAD AC
2052	5631	JMP I LSR
		/
2053	0000	MULT,0
2054	3322	DCA AC
2055	3325	DCA TEM
2056	1653	TAD I MULT
2057	7041	CIA
2060	3323	DCA COUNT
2061	1322	UP,TAD AC
2062	7430	SZL
2063	2325	ISZ TEM
2064	7100	CLL
2065	2323	ISZ COUNT
2066	5261	JMP UP
2067	3321	DCA Q
2070	1325	TAD TEM
2071	2253	ISZ MULT
2072	5653	JMP I MULT
2073	0000	MQA,0
2074	1321	TAD Q
2075	5673	JMP I MQA
		/
2076	0000	OCTYP,0
2077	7004	RAL
2100	3322	DCA AC
2101	1040	TAD 40
2102	3041	DCA 41
2103	1322	AB,TAD AC
2104	7004	RAL
2105	7006	RTL
2106	3322	DCA AC
2107	1322	TAD AC
2110	0320	AND MASK
2111	1043	TAD 43
2112	4437	JMS I 37
2113	2041	ISZ 41
2114	5303	JMP AB
2115	1035	TAD 35
2116	4436	JMS I 36
2117	5676	JMP I OCTYP
2120	0007	MASK,0007
2121	0000	Q,0
2122	0000	AC,0

2123 0000 COUNT,Ø
2124 0000 LNK,Ø
2125 0000 TEM,Ø
2126 0000 XREF,Ø